



What is SYS PRO?

SYS PRO is a unique blend of nutrients, amino acids, enzymes, and botanicals designed to support the body's connective tissues and peripheral nerves. SYS PRO also assists with tissue repair, healthy circulation, and detoxification of excess fats.

### SYS PRO contains:

- Adrenal
- DHEA
- DL malic acid
- Ascorbic Acid
- Fucus vesiculosus
- Phenylalanine
- Histidine
- BDNF
- Lactic acid
- Lymph node
- Hyaluronidase
- Prolactin
- Mesenchyme
- NAD
- Trichinoyl
- Natrium oxalaceticum
- Natrium pyruvicum
- Natrium sulphuricum
- Thuja occidentalis
- Tyrosine
- Pyrogenium

MOXIE: BDNF, bFGF, Hyaluronidase, IL-6, Phenylalanine, Prolactin, Pyrogenium, Trichinoyl.

## Benefits

### Supports connective tissue

Ascorbic acid (Vitamin C) is a water-soluble vitamin, antioxidant, and essential cofactor for collagen biosynthesis. Vitamin C has been shown to increase type I collagen mRNA and play a major role in tissue repair. Proline residues on procollagen require vitamin C for hydroxylation, making it necessary for the triple-helix formation of mature collagen<sup>1</sup>.

### Assists with metabolic function

Histidine may help improve metabolic syndrome. Histidine supplementation has been shown to improve insulin resistance, reduce BMI, fat mass, and non-esterified fatty acids. It may also assist in suppressing inflammation and oxidative stress in obese women with metabolic syndrome<sup>2</sup>.

### Supports general healing

Basic fibroblast growth factor (bFGF) is a multipotential glycoprotein that assists with scarless wound healing by promoting dermal fibroblasts, keratinocytes, melanocytes, and endothelial cells. bFGF harbours mitogenic and angiogenic characteristics stimulate tissue remodeling, wound healing and neovascularization<sup>3</sup>.

Hyaluronidase has the ability to degrade hyaluronic acid into smaller fragments, reducing its viscosity which improves tissue diffusion<sup>4</sup>. Hyaluronic acid is an important component of the cartilage, skin, and also the vitreous fluid of the eye.

### Supports peripheral nerve repair and integrity

Brain derived neurotrophic factor (BDNF) is a neurotrophin that plays an important role as a modulator of axon regeneration. In nerve injury, upregulation of BDNF is correlated with enhanced functional outcome<sup>5</sup>.

BDNF is also demonstrated to activate the JAK-STAT signaling pathway in Schwann cells, causing Schwann cells to secrete cytokines that facilitate nerve recovery<sup>6</sup>. In addition, BDNF promotes neuronal survival and neurite outgrowth and prevents neuronal death<sup>7</sup>.

### Stimulates healthy circulation

Malic acid plays an important role in energy production by facilitating the Krebs cycle. Supplementing with malic acid may assist energy metabolism, improve cardiac function, alleviate sports fatigue, and promote regeneration<sup>8</sup>.

Dehydroepiandrosterone (DHEA) is the most abundant circulating steroid hormone in humans. DHEA has anti-inflammatory and vasorelaxant benefits for the body and may help modulate cardiovascular signaling pathways<sup>9</sup>. Low levels correlate with increased cardiovascular disease.

Triquinoyl is used to regenerate blocked respiratory enzymes and may assist in detoxification.

### Assists with fat metabolism

DHEA supplementation may help restore DHEA/DHEAS levels in the body along with androstenedione. It also assists in reducing total cholesterol and overall body fat.<sup>10</sup>

Fucus vesiculosus is a brown seaweed that has demonstrated significant inhibition of lipase activity. These inhibitory effects may be due to multiple bioactive agents, including alginates, fucoidans and polyphenols, which work together to reduce fat absorption within the body.<sup>11</sup>

### Stimulates healing of damaged tissues

Interleukin-6 (IL-6) supports host defenses following infections and tissue injuries by stimulating acute phase responses, hematopoiesis, and immune response.<sup>12</sup> It also promotes megakaryocyte maturation in the bone marrow, leading to the release of platelets.<sup>13</sup>

IL-6 plays a vital role in acquired immune response by promoting antibody production and the development of effector T-cells. IL-6 also promotes differentiation or proliferation of several CD4+ T cells.<sup>14</sup>

1 <https://www.ncbi.nlm.nih.gov/books/NBK499877/>  
2 <https://link.springer.com/article/10.1007/s00125-013-2839-7>  
3 <https://www.liebertpub.com/doi/10.1089/wound.2011.0324>  
4 <https://eurjmedres.biomedcentral.com/articles/10.1186/s40001-016-0201-5>  
5 <https://www.frontiersin.org/articles/10.3389/fncel.2018.00522/full>  
6 <https://tau.amegroups.com/article/view/9450/10281>  
7 <https://pubmed.ncbi.nlm.nih.gov/14511050/>  
8 <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4787273/>  
9 <https://link.springer.com/article/10.1007/s40265-014-0259-8>  
10 <https://link.springer.com/article/10.1007/s40265-014-0259-8>  
11 <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5192459/>  
12 <https://cshperspectives.cshlp.org/content/6/10/a016295>  
13 <https://pubmed.ncbi.nlm.nih.gov/2788464/>  
14 <https://cshperspectives.cshlp.org/content/6/10/a016295>



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## Safety and side effects

### Dosage and how to take

Adults: Administer 1-5 sprays into the mouth one to three times daily

### Safety and Side Effects

SYS PRO has an excellent safety rating with no reported interactions from the supplement.

SYS PRO is not intended to replace any medication or procedures used to treat cancer, viral infections, or illnesses. Do not discontinue treatment or cancer medications without a doctor's permission.

Women who are pregnant, nursing, or any person who is immune-compromised should consult their physician before using this product. Certain medications may interact with individual ingredients – talk to your doctor if you take any medications.

#### Disclaimer:

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